United States Environmental Protection Agency
Pollution Report

I. HEADING

DATE: May 23, 1997

SUBJECT: Pollution Report for the Dayton Electroplate Site, Dayton, Montgomery County, Ohio.

FROM: **Steve Renninger**, OSC, U.S. EPA, Region V ERB, Cincinnati, OH (ERU/REGV)

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POLREP NO. 8

II. BACKGROUND

Site No:	A562
Response Authority:	CERCLA
NPL Status:	None
Start Date:	January 3, 1997
Completion Date:	TBD
Latitude:	39'46.724" North
Longitude:	84'09.762" West
CERCLA Incident Category:	Removal

III. SITE INFORMATION

A. Background:

- Refer to POLREP 1 for site background information.

B. Site Location/Description:

- The DE site is located at 1030 Valley Street, Montgomery County, Ohio. The DE site is located in an industrial/residential area within the northeast area of Dayton, Ohio. The DE site occupies approximately 4 acres bordered by Valley Street and State Route 4. The DE site includes two site buildings covering 60,000 square feet and

four separate plating lines.

IV. RESPONSE INFORMATION

A. Current Situation:

- Abandoned wastes on site included acids, cyanide, caustics, flammable liquid, and mercury. Site security was initiated on January 3, 1997 due to vandalism and trespassing. On January 9, 1997, the Superfund Technical Assistance and Response Team (START) with assistance from the ERCS contractor initiated sampling and documentation of all wastes on site. Hazard categorization began on January 20, 1997 and was completed on January 24, 1997. An ERCS crew was mobilized on February 4, 1997 to begin containing the wastes and preparing them for transportation and disposal off site. Transformers, debris, and base-neutral liquid transported for off-site disposal between 2/4-2/17. Chromic acid liquid, caustic liquid, base-neutral liquid, hazardous waste, debris, and used PPE were transported off site for disposal between 2/18-3/3, 1997. Flammable liquid and solid, base-neutral liquid, empty drums, a mercury lab-pack, cyanide solid, potassium permanganate solid, and hydrogen peroxide liquid were transported off site for disposal between 3/4-3/19, 1997. Plating lines and tanks continue to be removed from the buildings and transported off site with debris. Remaining wastestreams on site include F007 and F008 debris, base-neutral liquid from decontamination, and spent PPE.

B. Actions Taken:

- April 2, 1997 - Vat removal continued in plater 3 and plater 4 areas. Plater 4 removal was completed, one 60' vat was all that remained of plater 3. Three 30-yard roll-off boxes of debris and one 30-yard roll-off box of PPE was transported off site for disposal. Small equipment was demobed (pressure washer, saws). The crew was demobilized until April 14, 1997, OSC and START will be on site with OEPA April 10-11 for integrated site assessment. Twenty-four hour site security remained.

- April 10, 1997 - U.S. EPA OSC, START, and OEPA on site for the integrated site assessment. The OEPA used a geoprobe to collect soils in the areas behind buildings 1 and 2 of which groundcover varies from concrete pads, gravel, and grass. The U.S. EPA collected 22 samples from 11 locations in the area behind buildings 1 and 2. The samples consisted of soil from depths of 0-1 foot and from 1-2 foot (11 of each). The OEPA collected deeper samples down to groundwater. All sampling was completed. The U.S. EPA packaged and delivered samples to Ross Analytical in Strongsville, OH, for TCLP cadmium, chrome, and lead analysis.

- April 14, 1997 - The site was not remobilized because of the Ohio River Flood Response. Twenty-four hour site security

remained on site.

- April 21-22, 1997 - The ERCS RM, clerk, and one laborer were mobilized to site to demobilize equipment. Forklifts, light stands, Bobcat, trackhoe, CO monitors demobilized. Three 30-yard roll-off boxes of contaminated debris were transported off site for disposal. Twenty-four hour site security remained.

- May 19, 1997 - Equipment and personnel were remobilized to site. Removal of the filter press, hopper, and tank decking from the wastewater treatment room was initiated. Eight concrete core samples were taken from areas that were beneath the vats of plater 2. The concrete samples, taken from the three on-site building floors on April 1, 1997, were all below federal regulatory limits for TCLP cadmium, chromium, and lead except for beneath plater 2 which was over the chromium limit. More samples were taken to delineate the extent of the contamination beneath plater 2. Analytical results from the integrated site assessment completed on April 10, 1997, were all below federal regulatory limits for TCLP cadmium, chromium, and lead in the 0-2 foot range. OEPA sample results are not yet available.

- May 20, 1997 - Continued the removal of plater 3 from building 2. Continued to remove equipment from the wastewater treatment room.

- May 21, 1997 - Completed removal of equipment from the wastewater treatment room. The removal of plater 3 continued. Debris was removed from upstair rooms above building 1. Two 30-yard roll-off boxes of contaminated debris were transported off site for disposal.

- May 22, 1997 - Debris from the downstairs safe and 2 vats downstairs were removed. Old vats located in a storage room of building 1 were removed. Plater 3 continued to be dismantled. Initiated cutting of the last tank in buildings 1 and 3. One 30-yard roll-off box of contaminated debris was transported off site for disposal.

- May 23, 1997 - Completed removal of plater 3. Initiated cutting of large tank in building 2 and continued cutting tank in building 1. Five 30-yard roll-off boxes of contaminated debris were transported off site for disposal.

C. Next Steps:

- Continue off hours site security. No on-site work scheduled for May 24-27.

- Dismantle last 2 tanks and initiate removal of dryers from buildings. All plating lines have been removed, including 1350 cubic yards of F007 debris.

- Continue floor decontamination around all plating lines.

D. Key Issues:

- Off site disposal of the following wastestreams is completed: transformers, chromic acid, cyanide solid, hydrogen peroxide, caustic liquid, flammable liquid and solid, oxidizing solids, labpacks, F006 filter cake.

V. COST INFORMATION

- Estimated costs as of May 22, 1997:

	Budget	Cost to Date	Remaining
Smith Technology	1,000,000	644,010	355,738
START	50,500	41,706	8,794
EPA Direct	39,600	15,646	23,954
Total	1,090,100	701,362	388,738